

Product Weed and Muss Buster
 Revision date 1st April 2020
 Revision 1



Safety Data Sheet (SDS)

Section 1: Identification of the substance/preparation and of the company/undertaking

1.1 Product identifier

Product name Weed and Muss Buster
Synonyms, Trade names No information available.

1.2 Relevant identified uses of the substance or mixture and uses advised against

Identified uses No specific uses identified.
Uses advised against No uses advised against are identified.

1.3 Details of the supplier of the safety data sheet

Supplier Emerald Clover Ltd.
 Drumduffy
 Drumkeeran
 Co. Leitrim
 N41 T998
 Ireland
 Tel: 071 96 48008
 info@emeraldclover.ie

Contact person

1.4 Emergency telephone number

Emergency telephone Emergency medical information: 8am-10pm (seven days) contact National Poisons Information Centre, Beaumont Hospital, Dublin 9. Tel 01 8092566

Section 2: Hazards identification

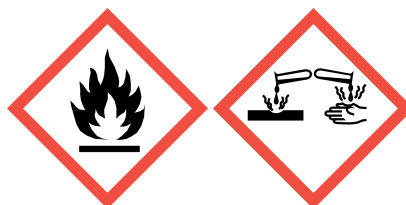
2.1 Classification of the substance or mixture

Classification (EC 1272/2008)
 Physical and chemical hazards Flam. Liq 3- H226
 Human health Skin Corr. 1A - H314, Eye Dam. 1 - H318
 Environment Not classified

2.2 Label elements

Contains acetic acid ... %

Label in accordance with (EC) no. 1272/2008



Signal word Danger

Hazard statements H226 Flammable liquid and vapour.
 H314 Causes severe skin burns and eye damage.

Precautionary statements

Prevention
 P233 Keep container tightly closed.
 P240 Ground/bond container and receiving equipment.
 P243 Take precautionary measures against static discharge.
 P260 Do not breathe dust/fume/ gas/mist/vapours/spray.

Response

P310 Immediately call a POISON CENTER or doctor/physician.
 P363 Wash contaminated clothing before reuse.

2.3 Other hazards

None known.

Section 3: Composition/identification of ingredients

3.1 Substance

Not applicable.

3.2 Mixtures

Name	Product identifier	Reg. EU 1272/2008	%
acetic acid ... %	CAS-No.: 64-19-7 EC No.: 200-580-7	Flam. Liq 3- H226, Skin Corr. 1A - H314	60-100%

The full text for all hazard statements are displayed in section 16.

Composition comments

The data shown are in accordance with the latest EC Directives.

Section 4: First aid measures

4.1 Description of first aid measures

General information

Provide general first aid, rest, warmth and fresh air. As a general rule, in case of doubt or if symptoms persist, always call a doctor. First aid personnel must be aware of own risk during rescue.

Inhalation

If this product is Inhaled, move the exposed person to fresh air promptly. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Seek medical attention.

Ingestion

Do NOT induce vomiting unless directed to do so by medical personnel. Rinse mouth thoroughly. Provide fresh air, warmth and rest, preferably in comfortable upright sitting position. Get medical attention immediately.

Skin contact

Remove affected person from source of contamination. Remove contaminated clothing. Wash the skin immediately with soap and water. Get medical attention promptly if symptoms occur after washing

Eye contact

Do not rub eye. Make sure to remove any contact lenses from the eyes before rinsing. Promptly wash eyes with plenty of water while lifting the eye lids. Get medical attention immediately. Continue to rinse. Continue to rinse for at least 15 minutes.

4.2 Most important symptoms and effects, both acute and delayed

General information

The severity of the symptoms described will vary dependant of the concentration and the length of exposure.

Inhalation

There may be shortness of breath with a burning sensation in the throat.

Ingestion

Do not ingest. Exposure to liquid product may cause moderate to severe irritation to inner linings of mouth, esophagus and gastrointestinal tract, and possible burns.

Skin contact

Corrosive! Can cause redness, pain, and severe skin burns. Concentrated solutions cause deep ulcers and discolour skin.

Eye contact

Extreme irritation of eyes and mucous membranes, including burning and tearing. Causes serious eye damage.

4.3 Indication of any immediate medical attention and special treatment needed

Notes to the physician

Treat Symptomatically.

Section 5: Fire-fighting measures

5.1 Extinguishing media

Extinguishing media

Use alcohol-resistant foam, carbon dioxide, dry powder or water fog.

Unsuitable extinguishing media

Do not use water jet as an extinguisher, as this may spread the fire.

5.2 Special hazards arising from the substance or mixture

Hazardous combustion products	When heated, toxic and corrosive vapours/gases may be formed
Unusual fire & explosion hazards	No unusual fire or explosion hazards noted.
Specific hazards	If heated, harmful vapours may be formed.

5.3 Advice for firefighters

Special fire fighting procedures	Avoid breathing fire vapours Keep up-wind to avoid fumes If possible, fight fire from protected position Ventilate closed spaces before entering them. Water spray should be used to cool containers.
Protective equipment for firefighters	Clothing for fire-fighters (including helmets, protective boots and gloves) conforming to European standard EN 469 will provide a basic level of protection for chemical incidents. Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.

Section 6: Accidental release measures**6.1 Personal precautions, protective equipment and emergency procedures**

Personal precautions	For personal protection, see section 8. Ensure adequate ventilation. Remove all sources of ignition. Avoid inhalation of vapours and contact with skin and eyes.
For emergency responders	Follow safe handling advice and personal protective equipment recommendations for normal use of product.

6.2 Environmental precautions

Environmental precautions	Spillages or uncontrolled discharges into watercourses must be reported immediately to the Local Authority or other appropriate regulatory body.
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6.3 Methods and material for containment and cleaning up

Spill clean up methods	Ensure that waste and contaminated materials are collected and removed from the work area as soon as possible in a suitably labelled container. Eliminate all sources of ignition. Avoid generation and spreading of dust.
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6.4 Reference to other sections

Reference to other sections	See section 1 for emergency contact. For personal protection, see section 8. For waste disposal, see section 13.
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Section 7: Handling and storage**7.1 Precautions for safe handling**

Handling	Avoid prolonged or repeated contact. Avoid contact with eyes, skin and clothing. Use proper personal protection when handling (refer to Section 8).
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7.2 Conditions for safe storage, including any incompatibilities

Storage precautions	Keep containers tightly closed. Keep in original container. Keep away from heat, sparks and open flame.
Storage class	Flammable liquid storage.

7.3 Specific end use(s)

Specific end use(s)	The identified uses are in section 1 of this Safety Data Sheet.
Usage description	Use only according to directions.

Section 8: Exposure controls/Personal protection**8.1 Control parameters**

Component	STD	TWA (8 Hrs)	STEL (15mins)	Notes
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acetic acid ... %	OEL	10 ppm	25 mg/m ³	15 ppm	37 mg/m ³
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Ingredient comments

Ireland, Occupational Exposure Limits 2016.

8.2 Exposure Controls**Protective equipment****Engineering measures**

Provide adequate ventilation, including appropriate local extraction, to ensure that the defined occupational exposure limit is not exceeded

Respiratory equipment

Where risk assessment shows air-purifying respirators are appropriate a full face respirator conforming to EN143, Type P3 should be used, and suitable respirator cartridges as a backup to engineering controls.

Hand protection

It is recommended that gloves are made of the following material: Butyl rubber. EN 374. Layer thickness: 0.7 mm, Breakthrough time: >480 min Butyl rubber gloves are recommended. Gloves must be inspected prior to use. Use proper glove removal technique (without touching glove's outer surface) to avoid skin contact with this product.

Eye protection

Wear safety goggles or face shield to prevent any possibility of eye contact. Use equipment for eye protection tested and approved under appropriate government standards such as EN 166(EU).

Other protection

Use a rubber apron and boots to minimize contact. Full drench shower should be available in the work area.

Hygiene measures

DO NOT SMOKE IN WORK AREA! Wash hands at the end of each work shift and before eating, smoking and using the toilet. Wash promptly if skin becomes wet or contaminated. Promptly remove any clothing that becomes contaminated. When using do not eat, drink or smoke.

Process conditions

Use only according to directions. Ensure that eye flushing systems and safety showers are located close by in the work place.

Section 9: Physical and chemical properties**9.1 Information on basic physical and chemical properties**

Appearance	Liquid.
Colour	Colourless.
Odour	Pungent.
Odour threshold - lower	No information available.
Odour threshold - upper	No information available.
pH-Value, Conc. Solution	1.00
pH-Value, Diluted solution	No information available.
Melting point	-15
Initial boiling point and boiling range	>35
Flash point	60 - 93
Evaporation rate	No information available.
Flammability state	No information available.
Flammability limit - lower(%)	No information available.
Flammability limit - upper(%)	No information available.
Vapour pressure	2.1

Vapour density (air=1)	No information available.
Relative density	No information available.
Bulk density	No information available.
Solubility	No information available.
Decomposition temperature	No information available.
Partition coefficient; n-Octanol/Water	No information available.
Auto ignition temperature (°C)	No information available.
Viscosity	No information available.
Explosive properties	Not classified as explosive.
Oxidising properties	No information available.

9.2 Other information

Molecular weight	No information available.
Volatile organic compound	No information available.

Section 10: Stability and reactivity

10.1 Reactivity

Reactivity	No specific reactivity hazards associated with this product.
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10.2 Chemical stability

Stability	Stable under normal temperature conditions and recommended use.
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10.3 Possibility of hazardous reactions

Hazardous reactions	No information available.
Hazardous polymerisation	Unknown.
Polymerisation description	Unknown.

10.4 Conditions to Avoid

Conditions to avoid	Avoid excessive heat for prolonged periods of time. Avoid heat, flames and other sources of ignition.
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10.5 Incompatible materials

Materials to avoid	Avoid strong oxidising agents. Strong acids.
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10.6 Hazardous decomposition products

Hazardous decomposition products	In combustion emits toxic fumes.
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Section 11: Toxicological information

11.1 Information on toxicological effects

Toxicological information	Causes severe skin burns.
Acute toxicity (Oral LD50)	=3310.00mg/kg Rat
Acute toxicity (Dermal LD50)	No information available.
Acute toxicity (Inhalation LD50)	No information available.
Serious eye damage/irritation	Causes serious eye damage.

Skin corrosion/irritation	No information available.
Respiratory sensitisation	No information available.
Skin sensitisation	No information available.
Germ cell mutagenicity	No information available.
Carcinogenicity	No information available.
Specific target organ toxicity - Single exposure:	
STOT - Single exposure	No information available.
Specific target organ toxicity - Repeated exposure:	
STOT - Repeated exposure	No information available.
Inhalation	There may be shortness of breath with a burning sensation in the throat.
Ingestion	Do not ingest. Exposure to liquid product may cause moderate to severe irritation to inner linings of mouth, esophagus and gastrointestinal tract, and possible burns.
Skin contact	Corrosive! Can cause redness, pain, and severe skin burns. Concentrated solutions cause deep ulcers and discolour skin.
Eye contact	Extreme irritation of eyes and mucous membranes, including burning and tearing. Causes serious eye damage.
Waste management	When handling waste, consideration should be made to the safety precautions applying to handling of the product.
Routes of entry	No information available.
Target organs	Eyes, Skin, Inhalation and Ingestion.
Aspiration hazards:	No information available.
Reproductive toxicity:	No information available.

Section 12: Ecological information

12.1 Toxicity

Acute toxicity - Fish	No information available.
Acute toxicity - Aquatic invertebrates	No information available.
Acute toxicity - Aquatic plants	No information available.
Acute toxicity - Microorganisms	No information available.
Chronic toxicity - Fish	No information available.
Chronic toxicity - Aquatic invertebrates	No information available.
Chronic toxicity - Aquatic plants	No information available.
Chronic toxicity - Microorganisms	No information available.
Ecotoxicity	No Ecological information on the finished product.
Eco toxicological information	No ecological toxicity available on the overall finished product.

12.2 Persistence and degradability

Degradability	The product is readily biodegradable.
Biological oxygen demand	No information available.
Chemical oxygen demand	No information available.

12.3 Bioaccumulative potential

Bioaccumulative potential	The product does not contain any substances expected to be bioaccumulating.
Bioaccumulation factor	No information available.
Partition coefficient; n-Octanol/Water	No information available.

12.4 Mobility in soil

Mobility	Readily absorbed into soil.
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12.5 Results of PBT and vPvB assessment

Results of PBT and vPvB assessment	Not Classified as PBT/vPvB by current EU criteria.
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12.6 Other adverse effects

Other adverse effects None known.

Section 13: Disposal considerations

Waste management When handling waste, consideration should be made to the safety precautions applying to handling of the product.

13.1 Waste treatment methods

Disposal methods Leave chemicals in original containers. No mixing with other waste. Handle uncleaned containers like the product itself. Dispose of waste and residues in accordance with local authority requirements.

Section 14: Transport information**14.1 UN number**

UN no. (ADR) UN2789
UN no. (IMDG) UN2789
UN no. (IATA) UN2789

14.2 UN proper shipping name

ADR proper shipping name ACETIC ACID, GLACIAL or ACETIC ACID SOLUTION
IMDG proper shipping name ACETIC ACID, GLACIAL or ACETIC ACID SOLUTION, more than 80% acid, by mass
IATA proper shipping name ACETIC ACID, GLACIAL

14.3 Transport hazard class(es)

ADR class 8 +3
IMDG class 8+ 3
IATA class 8+3

Transport labels**14.4 Packing group**

ADR/RID/ADN packing group II
IMDG packing group II
IATA packing group II

14.5 Environmental hazards

ADR No
IMDG No
IATA No

14.6 Special precautions for user

EMS F-E, S-C
Emergency action code Not applicable.
Hazard no. (ADR) 83
Tunnel restriction code (D/E)

14.7 Transport in bulk according to annex II of MARPOL73/78 and the IBC code

Not applicable.

Section 15: Regulatory information

15.1 Safety, health and environmental regulations/Legislation specific for the substance or mixture

EU legislation	Regulation (EC) No 1272/2008 of the European Parliament and of the Council of 16 December 2008 on classification, labelling and packaging of substances and mixtures, amending and repealing Directives 67/548/EEC and 1999/45/EC, and amending Regulation (EC) No 1907/2006 with amendments. The UN Globally Harmonized System (GHS) Safety Data Sheet format (Annex IV) is implemented as Annex II of REACH EU No 453/2010 of 20th May 2010 amending regulation (EC) No 1907/2006.
Approved code of practice	2016 Code of Practice for the Chemical Agents Regulations in accordance with section 60 of the Safety, Health and Welfare at Work Act 2005 (No. 10 of 2005).
Chemical safety assessment	No chemical safety assessment has been carried out.

Section 16: Other information

General information	This Safety Data Sheet is in accordance with Reach Regulation (EC) No 453/2010
Revision comments	This is a first issue.
Revision date	1 st April 2020
Revision	1
Safety data sheet status	Approved.

Hazard statements in full

H226	Flammable liquid and vapour.
H314	Causes severe skin burns and eye damage.

Disclaimer

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